

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1.-9. (Canceled)

10. (Currently Amended) A device for producing a metering pump from plastic injection molded parts, comprising:
an injection molding die for producing the injection molded parts, wherein the injection molding die having a first mold half and a second mold half movable, with respect to the first mold half, between an open position and a closed position;

an assembly platform which has an assembly holder ~~holder~~ for holding the injection molded parts and which is provided, reconfigurable as to orientation of the assembly holder;

a transverse slide connected to the assembly platform being able to be delivered to move the assembly platform in between the mold halves of the injection molding die in such a manner that when the second mold half is in the open position;

a first mold ejector disposed adjacent a first cavity of the second mold half to eject a first one of the injection molded parts from the first cavity;

a second mold ejector disposed adjacent a second cavity of the second mold half to eject a second one of the injection molded parts from the second cavity; and

a programmable controller connected to control operation of the injection molding die, the assembly platform, and the first and second mold ejectors, and programmed to control the assembly platform in a first configured orientation to move via the transverse slide between the mold halves when the second mold half is in the open position such that the assembly holder is vertically below the first cavity of the

second mold half, control the first mold ejector to eject a first one of the injection molded parts from the first cavity and insert the first one of the injection molded parts ~~can be~~ inserted from the injection molding die into the assembly holders of the assembly platform by a plugging in process, and holder, control, after the insertion of the first one of the injection molded parts into the assembly holder, the assembly platform ~~can be moved~~ to move via the transverse slide away again from the injection molding die, control the second mold half to move into the closed position for the injection mold die to produce additional injection molded parts, control the second mold half to move back into the open position, control the assembly platform to reconfigure into a second configured orientation, control the assembly platform in the second configured orientation to move via the transverse slide between the mold halves such that the assembly holder is vertically below a second cavity of the second mold half, and control the second mold ejector to eject the second one of the injection molded parts from the second cavity and insert the second one of the injection molded parts into the assembly holder and plug the second one of the injection molded parts into the first one of the injection molded parts.

11. (Currently Amended) A device for producing a metering pump from plastic injection molded parts, comprising: ~~The device as claimed in claim 10,~~ an injection molding die for producing the injection molded parts; and an assembly platform which has assembly holders for holding the injection molded parts, the assembly platform being alternately deliverable to and away from the injection molding die, wherein the assembly platform ~~can be changed is~~ changeable in its delivery position relative to the injection molding die in such a manner that, for each of successive injection-eyelet cycles, the assembly holders ~~can be are~~ delivered in a changed position relative to positions in the

injection molding die for the injection molded parts and hold the injection molded parts respectively following in ~~the~~an assembly sequence at ~~the~~ positions at which injection molded parts of ~~the~~ at least one preceding assembly step are already positioned for insertion and plugging-in of the injection molded parts into the assembly holders.

12. (Canceled)

13. (Currently Amended) The device as claimed in claim ~~12, wherein 10,~~ further comprising: means for plugging the injection molded parts together in the assembly sequence ~~are provided in the assembly holders.~~

14. (Currently Amended) The device as claimed in claim 10, ~~wherein further comprising:~~ means for removing the ready-assembled metering pumps from the assembly platform ~~are provided.~~

15. (Canceled)

16. (Currently Amended) The device as claimed in claim 11, wherein the assembly platform ~~can be rotated is~~ rotatable about a central axis of rotation and ~~can be locked~~ is lockable in different rotational positions.

17. (New) The device as claimed in claim 13, wherein the means for plugging the injection molded parts together comprises a closing movement of the second mold half.

18. (New) The device as claimed in claim 14, wherein the means for removing the ready-assembled metering pumps from the assembly platform comprises an assembly platform ejector.

19. (New) The device as claimed in claim 11, further comprising: means for moving the injection molded parts out of the injection molding die into the assembly holders.

20. (New) The device as claimed in claim 19, wherein the means for moving the injection molded parts out of the injection molding die comprises a mold ejector.

21. (New) The device as claimed in claim 19, further comprising: means for plugging the injection molded parts together in the assembly sequence in the assembly holders.

22. (New) The device as claimed in claim 21, wherein the means for plugging the injection molded parts together comprises a closing movement of the upper mold half.

23. (New) The device as claimed in claim 11, further comprising: means for removing the ready-assembled metering pumps from the assembly platform.

24. (New) The device as claimed in claim 23, wherein the means for removing the ready-assembled metering pumps from the assembly platform comprises an assembly platform ejector.

25. (New) The device as claimed in claim 11, wherein the assembly platform is moved into and out of the injection molding die via a slide-type guide.

26. (New) The device as claimed in claim 10, the device further comprising: a third mold ejector disposed adjacent a third cavity of the second mold half to eject a third one of the injection molded parts from the third cavity;

wherein the programmable controller is further programmed to control, after the insertion of the second one of the injection molded parts into the assembly holder, the assembly platform to move via the transverse slide away from the

injection molding die, control the second mold half to move into the closed position for the injection mold die to produce additional injection molded parts, control the second mold half to move back into the open position, control the assembly platform to reconfigure into a third configured orientation, control the assembly platform in the third configured orientation to move via the transverse slide between the mold halves such that the assembly holder is vertically below a third cavity of the second mold half, and control the third mold ejector to eject the third one of the injection molded parts from the third cavity and insert the third one of the injection molded parts into the assembly holder and plug the third one of the injection molded parts into the combination of the first and second ones of the injection molded parts.

27. (New) The device as claimed in claim 26, the device further comprising: a fourth mold ejector disposed adjacent a fourth cavity of the second mold half to eject a fourth one of the injection molded parts from the fourth cavity;

wherein the programmable controller is further programmed to control, after the insertion of the third one of the injection molded parts into the assembly holder, the assembly platform to move via the transverse slide away from the injection molding die, control the second mold half to move into the closed position for the injection mold die to produce additional injection molded parts, control the second mold half to move back into the open position, control the assembly platform to reconfigure into a fourth configured orientation, control the assembly platform in the fourth configured orientation to move via the transverse slide between the mold halves such that the assembly holder is vertically below a fourth cavity of the second mold half, and control the fourth mold ejector to eject the fourth one of the injection molded parts from the fourth cavity and insert the fourth one of the injection molded parts into the assembly holder so as to plug the fourth one of the injection molded parts into the

combination of the first, second, and third ones of the injection molded parts to thereby complete assembly of a metering pump.

28. (New) The device as claimed in claim 10, wherein the assembly platform being reconfigurable is provided by the assembly platform being rotatable about a central axis of rotation.